

Patent claims

1. An administration form for acid-labile active compounds, comprising pharmaceutical excipients and multiple individual active compound units, wherein the acid-labile active compound is present in the individual active compound units in a matrix made of a mixture comprising at least one fatty alcohol and at least one solid paraffin.
2. An administration form for acid-labile active compounds, comprising pharmaceutical excipients and multiple individual active compound units, wherein the acid-labile active compound is present in the individual active compound units in a matrix made of a mixture comprising at least one triglyceride and at least one solid paraffin or in a matrix made of a mixture comprising at least one fatty acid ester and at least one solid paraffin.
3. The administration form as claimed in claim 1 or 2, wherein the individual active compound units are microspheres.
4. The administration form as claimed in claims 1 to 3, wherein the active compound present is an acid-labile proton pump inhibitor.
5. The administration form as claimed in claim 4, wherein the acid-labile proton pump inhibitor present is pantoprazole.
6. The administration form as claimed in claim 1 or 2, wherein, in the mixture, one or more further excipients, selected from the group consisting of polymers, sterols and basic compounds, is/are present in the individual active compound units.
7. The administration form as claimed in claim 6, wherein the polymer is selected from the group consisting of povidone, vinylpyrrolidone/vinyl acetate copolymer, polyvinyl acetate, cellulose ethers, cellulose esters, methacrylic acid/methyl methacrylate copolymer or methacrylic acid/ethyl methacrylate copolymer or wherein the polymer is mixtures thereof.
8. The administration form as claimed in claim 6, wherein the sterol is selected from the group consisting of ergosterol, stigmasterol, sitosterol, brassicasterol, campesterol, cholesterol and lanosterol or wherein the sterol is mixtures thereof.
9. The administration form as claimed in claim 6, wherein the basic compounds are inorganic basic salts such as ammonium carbonate and sodium carbonate, amines such as meglumine, di- or

triethylamine and TRIS (2-amino-2-hydroxymethyl-1,3-propandiol) or fatty amines such as stearylamine.

10. The administration form as claimed in claim 1 or 2, which consists of suspensions, gels, tablets, coated tablets, multicomponent tablets, effervescent tablets, rapidly disintegrating tablets, powders in sachets, sugar-coated tablets, capsules or suppositories.
11. An active compound unit comprising an acid-labile active compound, wherein the acid-labile active compound in the active compound unit is present in a matrix made of a mixture comprising at least one fatty alcohol and at least one solid paraffin.
12. An active compound unit comprising an acid-labile active compound, wherein the acid-labile active compound in the active compound unit is present in a matrix made of a mixture comprising at least one fatty acid ester and at least one solid paraffin or in a matrix made of a mixture comprising at least one triglyceride and at least one solid paraffin.
13. The active compound unit as claimed in claim 11 or 12, wherein one or more further excipients, selected from the group consisting of polymers, sterols and basic compounds, is/are present in the matrix.
14. The active compound unit as claimed in claims 11 to 13, wherein the active compound present is an acid-labile proton pump inhibitor.
15. The active compound unit as claimed in claims 11 to 14, which consists of a microsphere having a particle size range of 50-800 μm .
16. A process for the production of an active compound unit in the form of a microsphere comprising an acid-labile active compound, where the acid-labile active compound is present in the microsphere in a matrix comprising at least one fatty alcohol, by production of drops of a solution or dispersion of the acid-labile active compound in at least one fatty alcohol by means of vibrating nozzles and by solidification of the drops formed in a suitable medium.
17. A microsphere obtainable as claimed in claim 16.
18. A process for the production of an active compound unit in the form of a microsphere comprising an acid-labile active compound, where the acid-labile active compound is present in the microsphere in a matrix made of a mixture comprising at least one fatty alcohol and at least one solid paraffin, at least one triglyceride and at least one solid paraffin or at least one fatty acid

ester with at least one solid paraffin, comprising the following steps: (a) preparation of a solution or dispersion of the acid-labile active compound in the fatty alcohol and paraffin, triglyceride and paraffin or fatty acid ester and paraffin; (b) prilling of the liquid phase from (a); and (c) solidification of the drops formed in a suitable medium.

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19. The process as claimed in claim 18, where the prilling is carried out by means of vibrating nozzles, the liquid phase flowing to the nozzle being kept at a constant temperature and the solidification of the drops taking place in a suitable cooling medium after stabilization thereof by sudden quenching.

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20. A microsphere, obtainable by a process as claimed in claim 18 or 19.

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